

AMENDMENTS TO THE SPECIFICATION:

Please replace original paragraph [0011] with the following amended replacement paragraph [0011]:

[0011] **FIGURE 2** is a flowchart describing the processes of the present invention in greater detail. The system is set up to receive a plurality of 'n' sensor signals **202**. The sensor signals are typically arranged in an array pattern to maximize the coverage of the system. The signals yield elemental data that represents the acoustic or electromagnetic output of the receiving elements of the sensor array. All of the sensor signals (e.g., signals 102, p_1 - p_n , in FIG. 1) are used to form a main beam (e.g., B_0 in FIG. 1) **204** using conventional beamforming techniques well known in the art. An optional element-by-element weighting (e.g., using weights c_1 - c_n , in FIG. 1) can be applied (e.g., via respective multipliers 110) to each elemental data signal (e.g., p_1 - p_n , respectively) to adjust the maximum response axis of the array of sensors and to reduce array sidelobe levels.